

Notice of Allowability

Application No.

09/849,913

Examiner

Duc C Ho

Applicant(s)

SARKINEN ET AL.

Art Unit

2665

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the application filed 05-04-01.
2. ☒ The allowed claim(s) is/are 1-2, 4-16, 22, 17-25, 27-39, 45, 40-48, 50-62, 68, 63-67, and 69. Renumbered 1-66, respectively.
3. ☒ The drawings filed on 04 May 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 03-21-02
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 012105.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

EXAMINER 'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Brad Pedersen on 1-21-05.

The application has been amended as follows:

In the specification:

Page 1, line 8, "Attorney Docket No. 1305.1-US-01" has been replace with ---
Patent Application Serial No. 09/849,804 ---.

Page 1, line 11, "Attorney Docket No. 1305.6-US-01" has been replace with ---
Patent Application Serial No. 09/849,914 ---.

Page 1, line 14, "Attorney Docket No. 1305.10-US-01" has been replace with ---
Patent Application Serial No. 09/849,810 ---.

In the claims:

Claims 3, 26, 49, and 70-75 have been canceled.

Claim 1, line 7, after "frame", insert --- ; wherein the processing further comprises:

storing an incoming frame in a memory buffer;

generating the parsing instructions for the incoming frame based upon the multi-protocol classification; and

aligning the generated parsing instructions with frame data selected from the incoming frames stored in the memory buffer ---.

Claim 24, line 8, after "frame", insert --- ; wherein the parsing instruction generator processing further comprises:

a memory buffer for storing an incoming frame;

an instruction generator for creating the parsing instructions for the incoming frame based upon the multi-protocol frame classification; and

a data pipe for aligning the generated parsing instructions with frame data selected from the incoming frames stored in the memory buffer ---.

Claim 47, line 10, after "frame", insert --- ; wherein the processing further comprises:

storing an incoming frame in a memory buffer;

generating the parsing instructions for the incoming frame based upon the multi-protocol classification; and

aligning the generated parsing instructions with frame data selected from the incoming frames stored in the memory buffer ---.

Reason for allowance

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1-2, 4-16, 22, 17-25, 27-39, 45, 40-48, 50-62, 68, 63-67, and 69, the prior arts fail to teach or fairly suggest a method for handling packets that comprises a step aligning the generated parsing instructions with frame data selected

from the incoming frames stored in the memory buffer, in combination with other limitations, as specified in the independent claims 1, 24, and 47.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Ho whose telephone number is (571) 272-3147. The examiner can normally be reached on Monday through Friday from 7:00 am to 3:30 pm.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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5. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

A handwritten signature in black ink, appearing to read 'Duc Ho', written over the printed name.

Duc Ho

01-21-05